

551, 152

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/087672 A1

(51) International Patent Classification⁷: **C07D 225/02**,
313/00, 405/06, 495/04, A61K 31/365, 31/435, A61P
35/00, C07C 13/02 // (C07D 495/04, 333:00, 235:00)

(21) International Application Number:
PCT/US2004/009380

(22) International Filing Date: 26 March 2004 (26.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/458,827 28 March 2003 (28.03.2003) US
60/496,165 19 August 2003 (19.08.2003) US

(71) Applicants (for all designated States except US): **CORNELL RESEARCH FOUNDATION, INC.** [US/US];
20 Thornwood Drive, Suite 105, Ithaca, NY 14850 (US).
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH [US/US]; 1275 York Avenue, New York,
NY 10021 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HUANG, Xin-Yun**

[US/US]; 1161 York Avenue, Apt.8C, New York, NY 10021 (US). **DANISHEFSKY, Samuel, J.** [US/US];
22 Brayton Street, Englewood, NJ 07631 (US). **GAUL, Christoph** [DE/CH]; Im finsteren Boden 17, CH-4125
Riehen (CH). **NJARDARSON, Jón, T.** [IS/US]; 312 E.
66th Street, Apt. 1C, New York, NY 10021 (US).

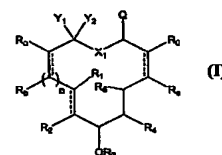
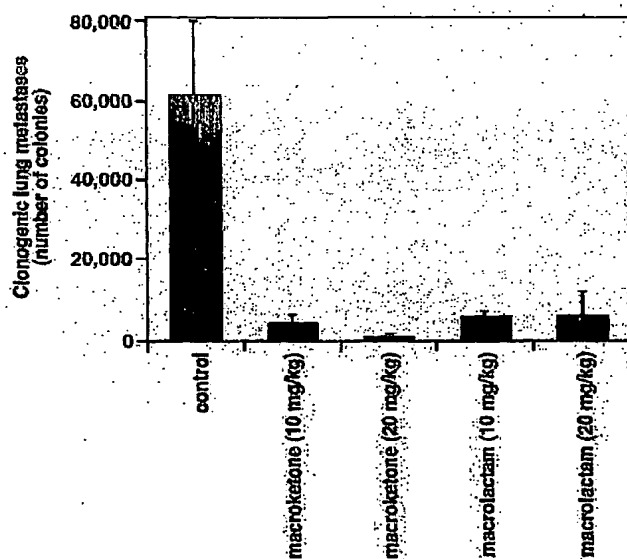
(74) Agent: **LAGNEAU, Nadège, M.**; Choate, Hall & Stewart,
Exchange Place, 53 State Street, Boston, MA 02109 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: MIGRASTATIN ANALOG COMPOSITIONS AND USES THEREOF



(57) Abstract: In one aspect, the present invention provides pharmaceutical compositions comprising a therapeutically effective amount of a compound of general formula (I), wherein R_1 - R_6 , R_a - R_c , Q, Y_1 , Y_2 and n are as defined herein, whereby the composition is formulated for administration to a subject at a dosage between about 0.1 mg/kg to about 50 mg/kg of body weight. In another aspect, the present invention provides a method for treating breast tumor metastasis in a subject comprising administering to a subject in need thereof a therapeutically effective amount of the inventive composition described directly above and a pharmaceutically acceptable carrier, adjuvant or vehicle.

WO 2004/087672 A1



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.